

# 4 Benefits of TriSteel™ P4 Precision Bearings

■ A partnership with TriStar gives you a competitive edge.



*TriSteel P4 Bearings are found where performance and precision matter most – in industries such as auto, railroad, and construction.*

*P4 bearings excel in applications with extreme load variables, slide load demands and critical temperature requirements. They're also a good fit for components with the need for short strokes [1/2" or less] but very high speeds [up to 800 ft per minute].*

*P4 features a liner and geometry ID that together help to address wear problems and alignment challenges.*

**Some applications for P4 include:**

- Automotive shocks
- Motorcycle struts
- Micro-compressors
- Hydraulic gear pumps
- Refrigeration compressors
- Stamping machines



## The top 4 benefits of TriSteel P4:

1. **Better shaft alignment** - TriSteel bearings with P4 liners can easily correct shaft misalignment by centering the shaft to spread the load evenly over the full surface of the bearing, rather than just the ends. This gives the bearing a longer operating lifecycle, and lowers overall replacement costs.
2. **Heavy-duty performance applications** - P4 bearings excel in environments with load variables, slide load and critical temperatures demands are present. With a unique geometry ID, P4 addresses wear problems common to high-velocity reciprocating and rotary applications.
3. **No more bearing stick/slip** - Friction coefficients as low as 0.04 dynamically and statically helps eliminate stick/slip and keep running speeds constant.
4. **Dual-layer design** - Unlike standard metal bearings, TriSteel P4 bearings are designed with dual layers to reduce erosion that is caused by friction exposure.

For more information get the [TriSteel brochure](#).

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



TriStar



Engineered Plastic Solutions<sup>™</sup>

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