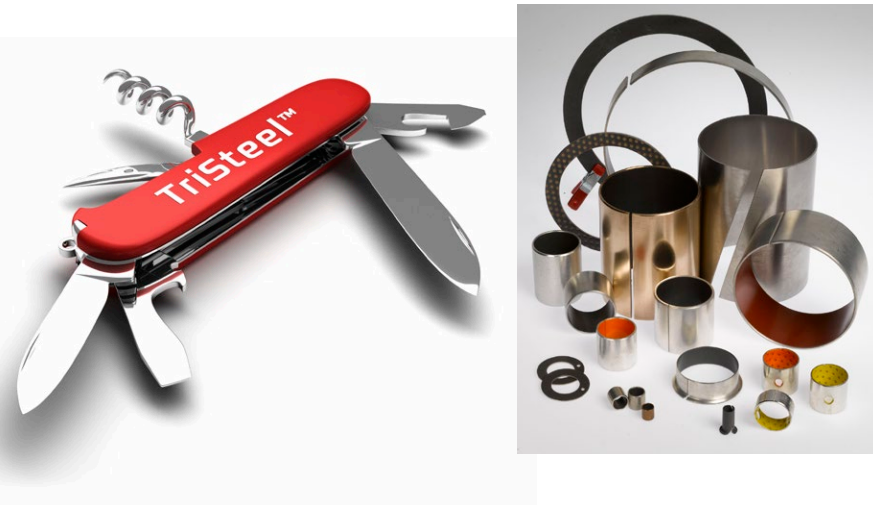


# TriSteel™: The Swiss Army Knife of Manufacturing Bearing Materials

■ A partnership with TriStar gives you a competitive edge.



*TriSteel reinforced bearings are the Swiss army knife of bearing materials; they combine unique tools (shells and liners) to give multi-functional performance in many manufacturing applications. By simply adjusting the shell/liner combination, you can achieve the ideal attributes to solve your bearing challenge.*

You'll find [TriSteel](#) bearings in agriculture, automotive, railroad and other industries where durability matters. This versatility is derived from the metal-baked shell and sintered liner combination, which enables TriSteel to excel in any manufacturing environment.

Need a special order to accommodate unusual conditions? [We can custom-fabricate](#) to your exact requirements!

## Need a bearing for both lubricated and dry environments?

### TriSteel AC [Ultraflon 601]

- High PV
- Boundary lubrication required
- With lubrication, PV ratings can be met without limitations

## Want to accommodate shaft misalignment?

### TriSteel AT Ultraflon 601T [AT] POM bronze with PTFE

- High-PV and high-speed design
- Zero lubrication required
- Liner thickness allows for secondary machining to accommodate misalignment or minor ID tolerance corrections

## PV ratings exceed 1,000,000?

### TriSteel PE [Ultraflon 603]

- High-PV, high-temperature design
- Dry environments or lubricated (with lubrication, PV ratings can exceed 1,000,000)
- Lubrication reservoirs are available

## Require extended wear?

### TriSteel PR [Ultraflon 602e] enhanced PTFE [PR]

- High-speed reciprocating, high-temperature and high-load applications
- Liner is designed specifically for high-frequency dither applications
- Superior wear properties

## Is low-friction design important?

### TriSteel PT Ultraflon 602 [PT] PTFE lined

- Low-friction design
- High-PV, high-operating temperature
- High-speed sleeve, flange and thrust bearings, zero lube required
- Lubricated or dry environments

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



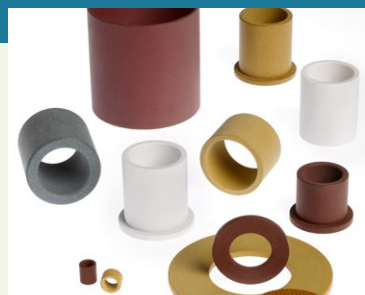
## TriSteel<sup>™</sup>

- 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>

[tstar.com](http://tstar.com)

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