

TriSteel™ HMT – A Hardened Steel Bushing for High Impact Applications



TriStar's TriSteel bearing products include polymer-lined metal shells for low-cost solutions in high PV, self-lubricating applications as well as bimetal solutions for applications where continuous lubrication combined with steel-backed, copper-based liners are required.

Another product, one designed for extreme operating conditions, is our TriSteel HMT. This is a hardened spring steel bushing, designed with a either wave joints or butt joints for improved press fit control.

The processing of the steel produces a material with high elasticity to improve resilience and provide excellent wear resistance.

■ A partnership with TriStar gives you a competitive edge.



TriSteel HMT – Made from High Elasticity Steel for Maximum Wear Resistance

Applications are typically areas where tight tolerances are desired, where high impact and vibration are constant, or regular reversing functions cause shaft slap or misalignment.

The HMT series replaces lubricated bronze and hardened steel sleeve bushings in applications such as:

- Hydraulic cylinder rod ends
- Forklift mast bearings
- Commercial lawn equipment
- Mining equipment
- Construction equipment
- Skid steer attachments

The HMT material can be used in non-lubricated or lubricated service depending on the application and the design allows for easy replacement, which keeps downtime to a minimum.

Look to TriStar for High-Performance Components for Extreme Operating Conditions

As always, we encourage you to [reach out to our engineering team](#) to discuss all your critical component material needs.

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
- High Compressive Strength
- Vibration & Impact Resistance



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



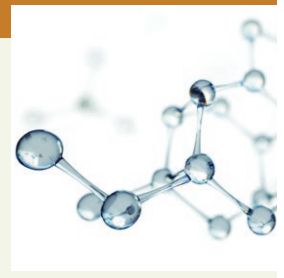
Meldin[®]

- High Performance Materials
- High Temp Dimensional Stability
- Chemical Resistance
- Withstands Thermal Shocks



Enhanced Materials

- Plasma Surface Treatment
- Filtration Membranes
- Specialized Primers & Coatings
- Material ID & Selection



TriStar



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