

Value Beyond the Part™

Beyond exceptional product quality, selection and availability, AST's commitment to providing a full range of value-added services is what sets us apart from other bearing suppliers.

Engineering, Consulting and Design - Professional engineering services to solve challenging design problems.

Bearing Applications Engineering - Selecting exactly the right product and specifications for your application.

Bearing Lubrication and Relubrication - Custom lubrication for optimum performance.

Failure Analyses - Understand why bearings prematurely failed to remediate and prevent future occurrences.

Inspection and Verification - AST has the equipment and experience to provide inspection and product verification services on the bearings we provide and on third party bearings.

Micro Grade Grease Plating™ - Unique AST lubrication process for low startup and low running torque.

Custom Packaging - Packaging designed to improve your production and shipping efficiencies.

Inventory Management - Assistance with JIT delivery and numerous other Supply Chain Management issues.

About AST Bearings

AST is a leading supplier of precision bearings and bearing related products across a large spectrum of customers — primarily OEMs and major distributors. In addition to our food and beverage products, we also supply a wide range of industries such as aerospace, medical, off-highway, green energy, robotics, high tech, industrial products and many more.

Since 1963, AST has been making our customers more competitive. We develop strong partnerships with our customers; these partnerships are based on understanding our customers' challenges and providing innovative solutions. AST embraces our role as a true product development partner. As precision bearing experts, AST recommendations go beyond bearing type, size and lubricant. Meticulously focusing on your application from the cutting edge of bearing technology, our engineering team uses advanced tools to ensure your best bearing choice.

For additional information, visit the company online at
www.astbearings.com.

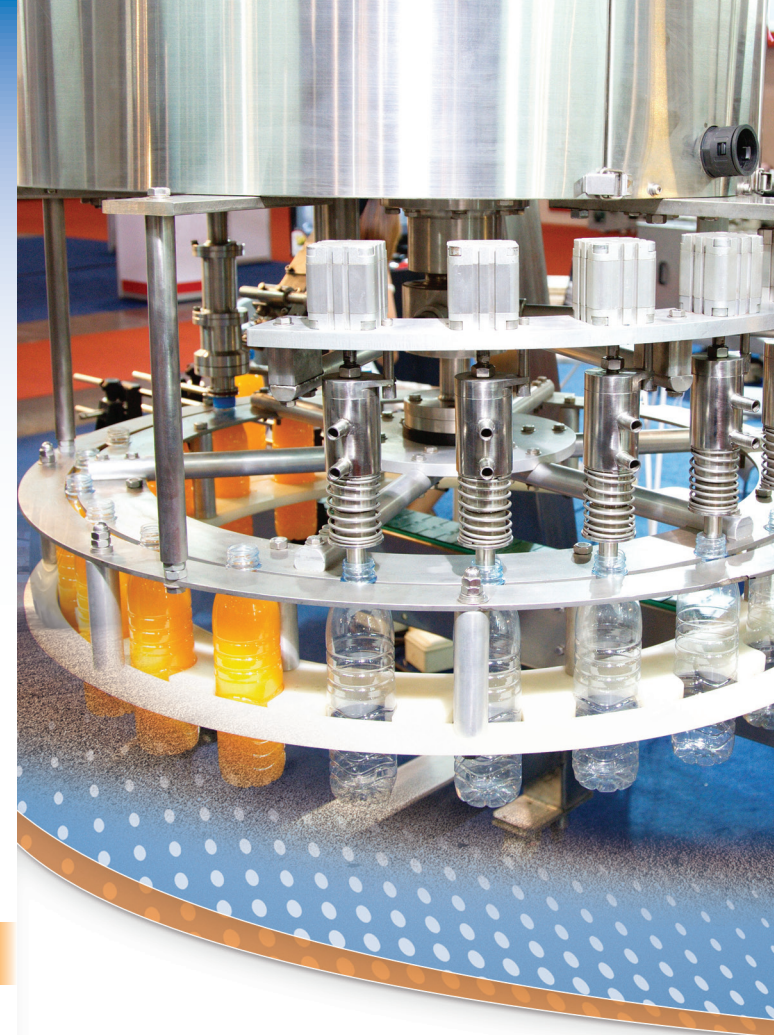
AST Bearings LLC · 115 Main Road, Montville, NJ 07045-9299 USA
Phone: (973) 335-2230 · Fax: (973) 335-6987

AST Bearings LLC · 3740 Prospect Avenue, Yorba Linda, CA 92886 USA
Phone: (949) 951-0221 · Fax: (714) 792-3884



To learn more, visit **astbearings.com**

©2015 AST Bearings. All rights reserved.



Value Beyond the Part™

For the Food and Beverage Industry

To learn more, visit **astbearings.com**



AST Bearings offers performance-proven products for the food and beverage industry.

We offer a range of products that are optimized for use throughout the manufacturing, processing and handling of food and beverage products in addition to making end-products for commercial and consumer use.

Challenges in the food and beverage industry include extreme temperatures, contamination, excessive moisture, chemical exposure,

continuous washdowns and much more. All of this while under strict regulations make selecting the right bearing of the utmost importance.

AST's vast experience across the food and beverage industry makes us the definitive choice to help specify and select the best product to get the job done. Our engineers and bearing experts will work with you to choose the right part for your unique application to ensure product performance over the expected life or maintenance schedule of the product or system.

*See below for a sampling of our most popular food and beverage bearing products, and visit **www.astbearings.com** for our full line of products.*



Products



Ball bearings can support moderate radial loads and moderate axial loads (parallel to the shaft). They can operate at high speeds. Ball bearings with shields or seals for protection can be lubricated to last for the operating life.



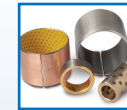
Roller bearings have high-radial load capacity. In comparison to ball bearings, tapered roller bearings offer the best combination of radial and axial load capacity. They operate at moderate to high speeds. The lubrication method must be carefully considered during the design phase when using roller bearings.



Mounted bearings (pillow block bearings, flange bearing units and take-up bearings) are available in a range of mounting configurations, variety of materials such as cast iron, stainless steel and thermoplastic, and with various types of insert bearings including stainless steel types. Each mounted unit acts as a system to position the bearing securely for reliable operation.



Tapered roller bearings offer dimensional stability under heavy loads and are perfect for off-highway performance. They have a long life in harsh and contaminated conditions. Generally they are used for heavy-duty and moderate speed applications.



Bushings, or plain bearings, operate with sliding motion between the moving surfaces. Bushings are selected based on the rotating speed and the applied load. Maintenance-free bushings do not require additional lubrication to operate.



Rod ends consist of a spherical ball mounted in a housing, typically with male or female threads. They allow for oscillation/misalignment during slow rotation. Some rod end types require lubrication; other types are maintenance-free.