

# :: Tapered Roller Bearings ::



*Reducing Friction To Keep You In Motion!*

# :: One Stop Bearing Supplier ::



For more than 40 years, AST Bearings has been the leading provider of precision bearings and related bearing products, supplying a diverse range of industrial customers. Whether the application calls for off-the-shelf product or whether unique requirements demand qualified engineering expertise, AST is a one-stop supplier for all your bearing needs.

## Facilities

AST's Headquarters are located in Montville, New Jersey-the heart of the metro-NY corridor. It houses our executive offices, assembly, testing and analysis, engineering specialists, custom lubrication center, quality control laboratory, customer service personnel and of course our extensive inventory. An additional sales office and warehouse is maintained in Irvine, California in order to provide rapid and economical shipping and service for our West Coast customers and after hours shipments for our East Coast customers.



## Quality Without Compromise

As dedicated bearing specialists, we work diligently to stay at the cutting edge of bearing technology in order to meet our customer's changing and challenging needs. We offer world-class products and services, application expertise, failure analysis, custom re-lubrication, inventory management programs, mechanical sub-assemblies and knowledgeable and responsive sales people.

## Growth and Progress

We are continually expanding our product range and services to reflect the growing demands of our customers. We supply a variety of precision bearings, bushings, spherical plain bearings, rod ends, linear motion products, custom mechanical sub-assemblies and much more.



# :: Tapered Roller Bearings ::

AST now offers a full range of High Quality Tapered Roller Bearings, which compliment its already extensive product offering. These Tapered Roller Bearings meet the tough demands of industrial applications that require heavy duty bearings. We offer a variety of configurations such as single-row, double-row and four-row Tapered Roller Bearings.

## Tapered Roller Bearings

are used for heavy-duty, moderate speed applications. Most standard industrial sizes are available in inch and metric. Custom sizes are also available upon special request.



## Material

High carbon chromium steel

## Heat Treatments

**Through-Hardened:** Consistent hardness throughout the component.

**Case-Hardened:** Surface hardening combined with a tough, flexible core.

(Case-Hardened available upon special request only)

## Sizes

A broad range of inch and metric sizes are available. Our standard stock sizes are: ID 15-240mm or .59-9.45 inches to OD 35-40mm or 1.38-15.75 inches.

Please consult an AST sales specialist for larger sizes and availability.

## Advantages

- Dimensional Stability
- Long Life - Even In Contaminated Lubricant
- Durable Steel Cage
- Dimensionally Interchangeable With Other Bearing Manufacturers

## Typical Applications

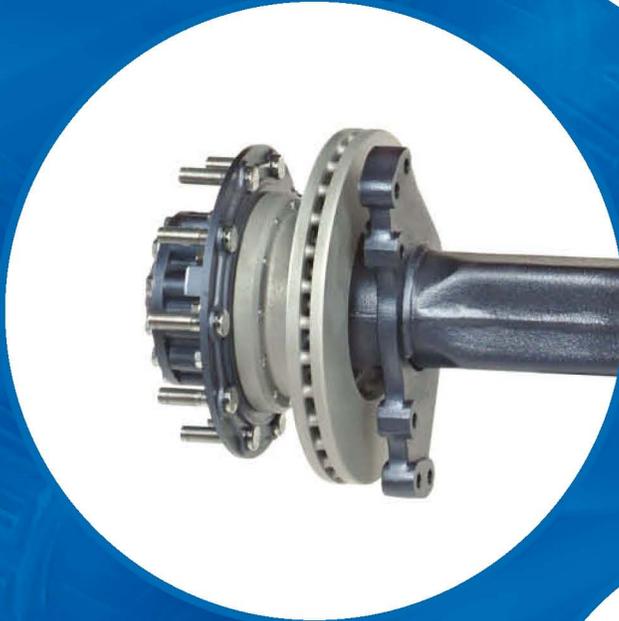
- Agriculture, Construction and Mining Equipment
- Various Axle Systems
- Conveyance Vehicles
- Gear Box, Engine Motors, Reducers

## The Four Basic Components

The cone (inner ring), the cup (outer ring), tapered rollers, and a cage (roller retainer). The cone, cup and rollers carry the load while the cage spaces and retains the rollers on the cone. The cone, rollers and cage are referred to as the cone assembly. Individual cup and cone components are available as well as the complete assembly.



# :: Uses and Applications ::



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