

# Quality Bearings FROM A LEADING MANUFACTURER

## Radial Bearings

- Excellent choice for consumer, commercial and light industrial applications
- Unground races in metal, plastic and insert molded combinations
- Infinite range of custom mounting choices

## Angular Contact Bearings

- Ideal in applications requiring combined radial and thrust loads
- Available in machined or stamped metal and injection molded designs
- Customized designs can accommodate additional functional features

## Plastic Roller Assemblies

- Preferred choice for light duty guide and track applications
- Rollers designed to meet custom performance requirements with engineered plastics
- Studs may be adapted to accommodate and simplify your assembly processes

## Subassemblies

- Custom engineered subassemblies expand your manufacturing capacity
- Reduces assembly, purchasing and inventory costs
- Reduces quality problems

## Ribbon Retainers

- Custom designed to provide ball separation and uniform load distribution in precision bearings

## Thrust Retainers

- Perfect for controlling precision ball and needle load distribution
- Retainer materials are selected to meet diverse environmental conditions
- Combine with thrust washers to create the ideal thrust bearing assembly

## Thrust Washers and Thrust Slugs

- Highly effective solution for thrust races, spacers, wear plates and bearing load surfaces
- Application specific hardness and surface finishes ensure reliable performance
- Custom designs accommodate space limitations

## Thrust Bearings

- Combines thrust retainers and thrust washers into a single package
- Any combination of metal and engineered plastic components are available
- Significantly improves assembly errorproofing

## Linear Retainers

- Perfect solution for linear reciprocal motion applications
- Custom designed to provide ball separation and uniform load distribution
- Simplifies assembly operations

## Cup and Cone Retainers

- Unique wraparound retainer design for angular contact applications
- One-piece assembly reduces installation time and labor



# Custom Manufacturing Solutions

## Custom Bearing Assemblies

Our custom bearing assemblies are manufactured to meet your application's specific needs. Every feature of a bearing assembly can be customized to maximize the benefit to your product. By working with your engineering department from the start, collaborating throughout the design, prototyping and manufacturing processes and delivering your orders on time, National Bearings Company can guarantee quality, performance and your satisfaction.



## Engineering

National Bearings Company has an engineering department with decades of experience in bearing and assembly design. Our engineers have designed thousands of bearing assemblies and components in nearly 100 years of manufacturing. We utilize the latest design technologies to develop the right combination of materials, processes and inspection techniques. As a result, we can work with your engineers to design a solution that will provide the ideal bearing assembly for your product.

## Manufacturing

National Bearings Company has a modern and fully integrated manufacturing facility capable of producing customized bearing assemblies and components. We have developed highly flexible and automated systems that enable us to meet any production volume. Our manufacturing capabilities include:

- Metal stamping presses
- Plastic injection and insert molding machines
- Multispindle and CNC screw machines
- Robotic assembly machines
- Finishing, inspection and packaging systems



## Quality and Dependability

National Bearings Company maintains a vigorous quality assurance program. Our quality system is ISO 9901:2000 and TS 16949 registered. Our product manufacturing teams and support departments are dedicated to ensuring that your bearings are manufactured to your exacting specifications and shipped on time. Our customer service team is focused on providing you with a seamless and efficient buying experience.



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