

## Large Rollers, Wrist & Planet Pins, Plated/Coated Pins & Rollers



- Materials: 52100, 8620, 4140 Stainless
- Diameter: Up to 1.250 inch
- Length: Up to 8.000 inch



### Typical Applications



Roller Shafts

Alignment Pins

Crank Pins



### Typical Coatings

- Black Oxide
- Zinc Dichromate
- Oil
- Manganese Phosphate
- Electroless Nickel
- Others as Required



## Innovation. Commitment. Quality.

RBC Bearings has been producing bearings in the USA since 1919. In addition to unique custom bearings, RBC offers a full line of standard industrial and aerospace bearings, including:



### Spherical Plain Bearings

Radial, angular contact, extended inner ring, high misalignment. QuadLube®, ImpactTuff®, SpreadLock® Seal, CrossLube®, DuraLube™, and self-lubricating bearings. Available in inch and metric sizes.



### Thin Section Ball Bearings

Standard cross sections to one inch. Sizes to 40 inches. Stainless steel and other materials are available. Seals are available on all sizes and standard cross sections. Super duplex configurations.



### Tapered Roller Bearings

Tyson® case-hardened and through-hardened tapered roller bearings. Available in many sizes. Used in Class 8 heavy truck and trailer wheel bearings, gear boxes, and final drive transmissions.



### Tapered Roller Thrust Bearings

Case-hardened. Sealed and unsealed for truck, tractor, and construction equipment steer axles, and Class 8 trailer landing gear.



### Ball Screws

Precision ground, rolled, ball spines. Long life, low wear, high accuracy. QuickTurn® Ball Screw Repair Service.



### Integrated Assemblies

For robots and other process tool applications. Engineering design assistance. Production volume capacity.



### Cam Followers

Standard stud, heavy stud, yoke type, caged roller followers. Patented RBC Roller® cylindrical roller cam followers, HexLube® universal cam followers, airframe track rollers.



### Needle Roller Bearings

Pitchline® caged heavy duty needle roller bearings, inner rings, TJ TandemRoller® bearings for long life.



### Self-Lubricating Bearings

Radial, thrust, rod ends, spherical bearings, high temperature, high loads. Available in inch and metric sizes. Fiberglide® self-lubricating bearings.



### Airframe Control Bearings

Ball bearing types, self-lubricating types, needle roller track rollers.



### Dowel Pins, Loose Needle Rollers, Shafts

Precision Products dowel pins, loose needle rollers, and shafts.



### Commercial Rod Ends

Commercial and industrial, precision, Mil-Spec series, self-lubricating, and aircraft. Sold under the Heim®, Unibal®, and Spherco® brands. Available in inch and metric sizes.



### Ball Bearings

Precision ground, semi-ground, unground. High loads, long life, smooth operation. Nice® ball bearings are offered in caged and full complement configurations.



### Specials

RBC manufactures many specialty bearings for the aerospace, oil and energy, semiconductor equipment, packaging, transportation, and other industries.

## RBC Precision Products

## Dowel Pins, Loose Needle Rollers, Shafts



- Precision Ground Steel and Stainless Steel Pins, Rollers, and Shafts
- Knurls, Grooves, Trunnions, Undercuts, Plating, and Coatings
- End Types - Spherical, Flat with Corner Break, Ground, Chamfer



RBC Precision Products



[www.rbcbearings.com](http://www.rbcbearings.com)  
574.546.4455

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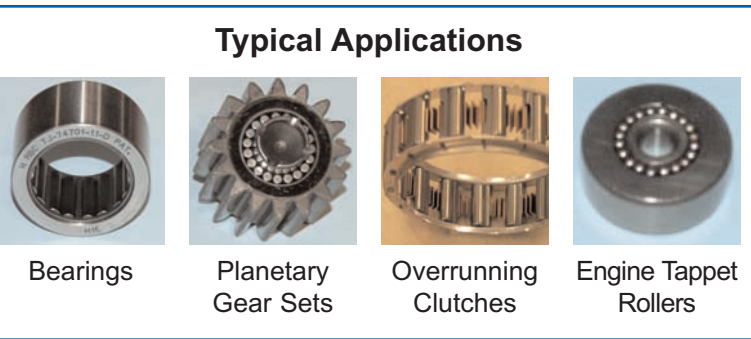


ISO 9001:2000

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- Diameter: .031 to 1.250 inch  
.787 to 31.750 mm
- Length: .125 to 8.000 inch  
3.17 to 203.20 mm
- Available in inch and metric sizes
- Superior roundness and finish
- Typical materials:  
52100, 8620, 440C, M50
- Other materials available



Flat Ends with Corner Break  
Precision Ground Ends  
Spherical Ends



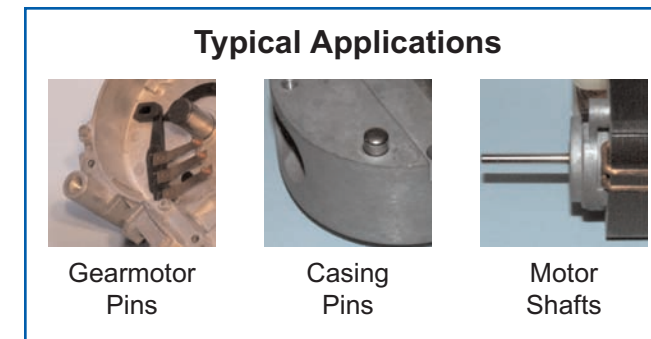
Sub-Fractional Horsepower Motor Shafts



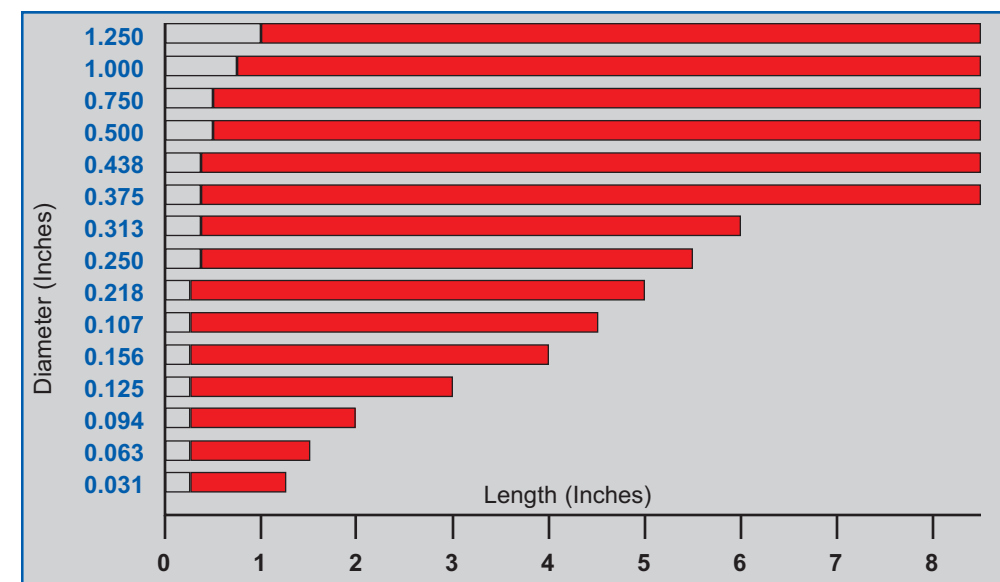
Rails and Large Shafts



Machined, Knurled, and Ground Shafts



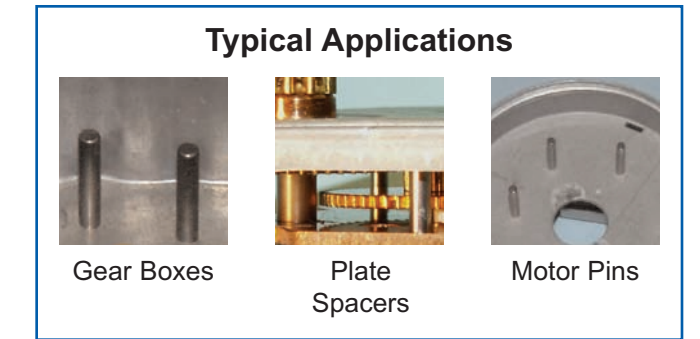
- Materials: 52100, 8620, 4140, Stainless Low Carbon and Other Alloys
- Diameter: Up to 1.2500 inch
- Length: Up to 8.0000 inch



**Diameter to Length Capability**  
Shortest to longest length for a given diameter



- Typical Materials**
- 52100 Low Carbon Steel  
Stainless 302/303/304  
316, 416, 420, 440C



- Diameter: .031 to 1.250 inch
- Length: .156 to 8.000 inch
- Available in inch and metric sizes
- Coatings and plating available