



Berliss Companies

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Phone: (973) 992-4242 · Fax: (973) 992-6669 · www.berliss.com



Capabilities



Thinking Custom? Think Berliss.



Berliss is an industry leading bearing manufacturing company with over 75 years experience. In addition to Berliss' extensive line of standard products, we also offer high quality custom bearings and other related components. With our experience in design and manufacturing, our custom bearings can provide a creative and economical solution to meet your application requirements.

Berliss has the management expertise and the sourcing capabilities needed to specialize in custom design at cost effective prices. Our engineering team offers extensive experience and knowledge, providing you with the support necessary to expedite new product development. Because we value customer service, your requests will be handled efficiently and in a professional manner.

This catalog features a sampling of the custom and industry standard bearings Berliss has produced in the past. Our capabilities are not limited to our past work and we look forward to expanding our offerings, as our customer needs change and evolve. Contact our customer service or manufacturing representatives to discuss your requirements and to learn more detailed information regarding our capabilities. Please do not hesitate to request a Berliss catalog containing our entire line of standard products.



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Precision Bearings

Primarily designed to carry radial loads, precision bearings are most commonly found in electric motors, hand tools, food processing equipment and other applications. They are widely used for their versatility and durability.

At Berliss, precision bearings are available:

- In a variety of materials including stainless steel, chrome steel and plastic.***
- With a variety of lubricants.***
- In both inch and metric sizes.***
- With any combination of shields, seals (contact and non-contact), and snap rings.***
- In angular contact, single row deep groove, double row deep groove, max capacity, self-aligning, four point contact, split inner race or reciprocating design and construction.***
- In several tolerance grades and cage designs depending on your application.***
- With private labeling.***



Custom Machined Parts

Berliss is able to offer cold headed, screw machine, threaded and broached products. We can produce bushings, pins, shafts and precision rollers all of which are manufactured to varying tolerance levels. Applications include material handling, oil field and manufacturing equipment.

At Berliss, custom machined parts are available:

- In a variety of materials including low carbon and stainless steels as well as bronze and brass.***
- With different finishes including zinc, black oxide, nickel, chrome and others.***
- Heat-treated or ground.***



Needle Bearings

Offering a high load carrying capacity, needle roller bearings are often used in truck, farm and construction equipment, two cycle engines, outboard engines and for other applications.

At Berliss, needle bearings are available:

- In a variety of materials including stainless and chrome steel.***
- With or without lubrication.***
- With or without an inner ring.***
- With a cage or as a full complement.***



Tapered Roller Bearings

Berliss Tapered Roller Bearings consist of an inner ring (cone) and an outer ring (cup) and are capable of handling heavy combinations of both radial and thrust loads at low to medium speeds. There are many applications where Berliss Tapered Roller Bearings can be found such as, recreational vehicles, casters, steel mills, trailers plus many others.

Berliss tapered roller bearings are available:

- In the following configurations: single-row and double-row.***
- In high-carbon, high-chrome, through hardened or case hardened carburizing grade alloy steels depending on application.***
- In a wide array of sizes and other materials.***
- With machined bronze or stamped steel cages.***
- With rings and rollers manufactured from a choice of high carbon, high-chrome, through hardened or case hardened carburizing grade alloy steels.***



Cam Followers

Cam Followers are specifically designed to withstand heavy rolling or shock loads. They are often used in food processing, packaging equipment, automotive and many other industrial applications.

At Berliss, cam followers are available:

- In a variety of designs, including stud and yoke types, with specialized options.***
- In carbon, chrome and stainless steels.***
- Sealed or un-sealed.***
- In needle or ball configurations.***
- With rollers, balls, or plain shafts.***
- In inch or metric dimensions.***
- With threaded or non-threaded shafts.***
- With a screw driver slot, hexagonal socket or hexagonal shaft.***
- With a cylindrical or crowned outer ring.***
- With lubrication to accommodate varying operating environments.***



Custom Bearings

Berliss is able to combine innovative technology with industry and customer requirements in order to maximize custom designs for a wide range of applications. Berliss also has the ability to supply complete subassemblies.

At Berliss, custom bearings are available:

- In a variety of materials including low carbon, chrome, and stainless steels as well as bronze and many types of polymers.***
- With different finishes including zinc, black oxide, nickel, and chrome, among others.***

NOTES

WARRANTY POLICY – Berliss Bearing Company (hereinafter referred to as Seller) warrants the goods sold hereunder to be free from defects in material and workmanship under normal use and service not arising from misuse, negligence, or accident, including but not limited to the use installation, and transportation of goods by Buyer, its agents, servants, employees or its carriers or transportation agents. Seller's obligations under this warranty are limited to remedying any deficiencies in the goods at such places in the United States of America or Livingston, NJ as may be designated by Seller. The warranty shall pertain to any part of parts of any goods to which Buyer has, within 90 days following delivery of such goods to Buyer or its nominees of the carrier, as the case may be, given written notice of claimed defects to Seller. Buyer shall be required to furnish Seller with adequate and sufficient details of such defects and this warranty shall be effective as to such goods which Seller's examination shall promptly thereafter be returned to Seller or its nominees. This warranty is expressly in lieu of all other warranties expressed or implied included the warranties of mechaniability and fitness. In no event shall the Seller be liable to the Buyer or to any other person for any loss of damage, direct or indirect, arising out of or caused by the use of operation of the goods, or for the loss of profits, business, or good will. Seller shall in no event be liable to any person or firm (including any assignee of Buyer and its successors.)

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