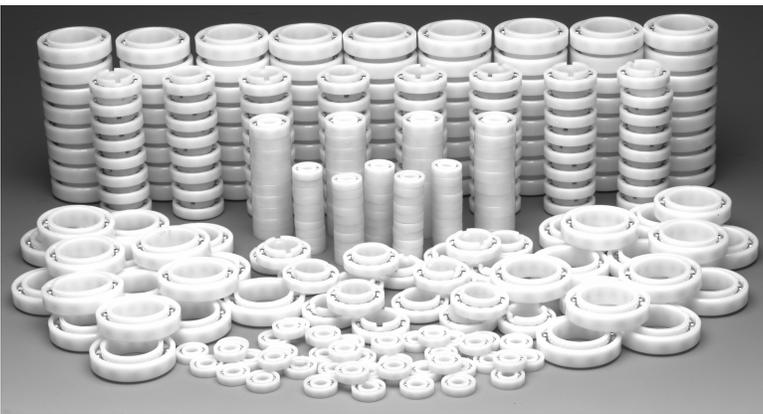


CUSTOM BEARINGS

OUR SPECIALTY

Special bearings are readily and inexpensively made from plastics. This allows engineers complete freedom to design the bearing around the device rather than attempting to design the device around a limited range of standard bearings. Consider the unconventional by calling KMS Bearings, Inc. We'll work with you to select the right design, size, and material to best suit the application.



CUSTOM MADE TO ORDER

Any of KMS' plastic bearings can be easily modified to better suit the application. For example, a standard size plastic bearing can be made from alternative plastics for increased strength, temperature capability or chemical resistance.

CUSTOM SIZE

Bearings made from plastics have added manufacturing flexibility to be easily modified in dimension. Our manufacturing processes allow us to either modify a mold tool or use

our machining capability to alter a bore size or an outside diameter. If the required size can not be produced by modifying a standard size, our CNC turning centers give us the ability to manufacture the bearing completely from scratch without tooling charges in all quantities.

SPECIAL BEARINGS IN LOW QUANTITIES

Unlike traditional bearing manufacturers we can offer special size and materials in low quantities. This manufacturing flexibility is achieved through the unique blending of machining, molding and CAD technologies.

PROTOTYPE & SAMPLES

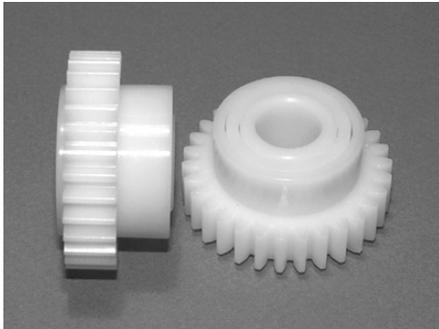
KMS wants you to feel confident before you commit to your production needs. We can supply test samples from our stock when available, or complete hand made specials for a nominal lot charge. Your confidence is our priority. To request prototypes or samples call, fax or email KMS with a completed Application Review (located on page 32.)

PRODUCT INTEGRATION

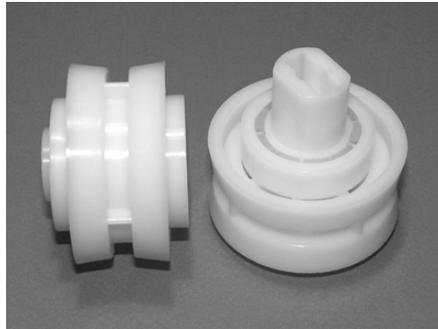
Many times a bearing is mounted into another part, such as plastic pulley, sprocket, wheel or a mounted block. Utilizing the design concept of a plastic ball bearing, KMS Bearings, Inc. can integrate the mating component as the raceway of the bearing, i.e.: pulley as the outer ring, or the shaft as the inner ring. The end result is fewer parts, reduced assembly time and overall lower cost. To follow are a few examples of actual integrated plastic race ball bearings.



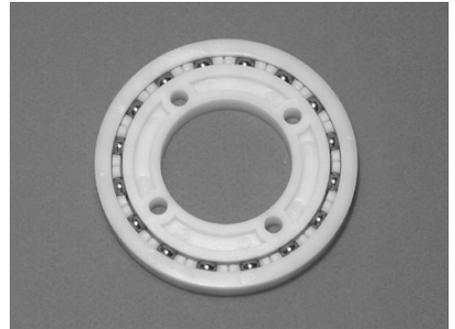
ARE OUR SPECIALTY



1) Integrated gear to outer ring, double row bearing design.



2) Integrated belt driven bearing assembly.



3) Integrated (4) mounting holes to inner with a standard outer ring.



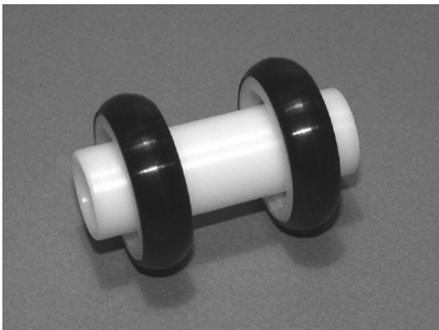
4) Integrated flanged outer ring with 3 mounting holes.



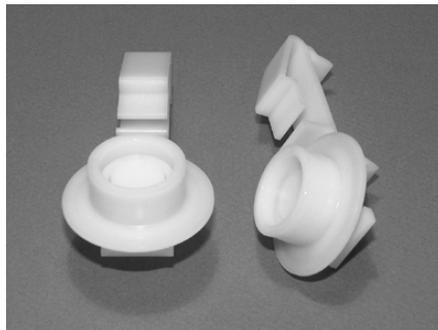
5) Hex Bore inner ring, 2-hole flange outer ring.



6) 7" inch diameter bearing, Integrated mounting holes for inner and outer.



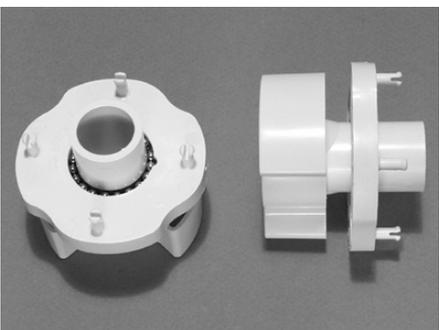
7) One piece inner ring with two outer rings. Urethane tires mounted to outer rings.



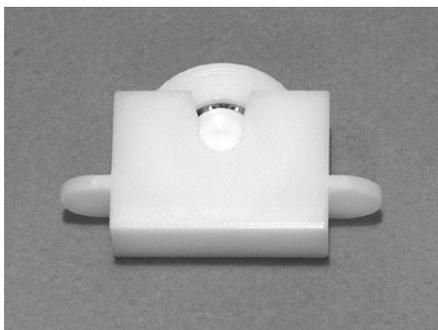
8) Integrated self mounting bearing. Inner ring is solid, connecting to mounting bracket.



9) Outer ring of bearing is 2 hole mounting block.



10) Outer ring features snap in mounting, inner ring serves as directional water nozzle.



11) Integrated Bearing Assembly. Pulley ball bearing mounted into plastic bracket.



12) Pulley Ball Bearing. Inner ring features an integrated snap in fastener.

- Information presented is believed to be accurate at the time of publication but is subject to change without notice.

