

# Popular Bearings

## Skateboard Bearing:

Skateboard bearings play a pivotal role in the functional performance of skateboard.

Bearing materials can be steel, ceramic or a combination of both in an assortment of colors. Unless specified by the client,

chrome steel is the most common material for skateboard bearing.

Stainless steel, ceramic,

blackened chrome steel or golden

coating chrome steel are also available for different requirements.



Metal shield and rubber seal are two available seal types for skateboard bearings.

There are also two kinds of lubrication: grease and oil. Grease lubrication can better protect the bearing while oil lubrication can make prompt rotation.

The universal measurements for skateboard bearings are 8mm (core), 22mm (outer diameter), and 7mm (width). 608ZZ(8x22x7mm) is the most popular one, bearings like 627ZZ(7x22x7mm), 688ZZ(8x16x5mm) and 6900ZZ(10x22x6mm) are also selected for skateboard use.

Our rating system includes ABEC-1, ABEC-3, ABEC-5, ABEC-7, ABEC-9 and ABEC-11.

The level of ABEC rating is related to the accuracy and precision of the bearing, while it does not specify critical factors, such as load handling, materials, noise, vibration etc. Despite it, ABEC-5 is the standard one for most types of skateboards. ABEC-7 is most recommendable one as it is most cost-effective in respect to both performance and cost. ABEC-9 and above are great for downhill skating and skaters want to move insanely fast.



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## Bike Bearing:

At DMAG, we offer headset bearings and other bike bearings in standard chrome steel, stainless steel, hybrid ceramic and full ceramic. Ceramic materials are available in ZrO<sub>2</sub> and Si<sub>3</sub>N<sub>4</sub>. Thin section radial ball bearings can be used as bottom bracket bearings or bike wheel bearings and they are available in metal shielded type and rubber sealed type.



## Dental Bearing:

Repair cost and the quality of the dental handpieces are the key for dental repair. We offer cost effective solution which aligns quality, speed and precision at reasonable prices for dental handpiece applications.





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## RC Bearing:

We stock complete bearings sets for RC vehicles, helis and engines. At DMAG, we offer RC bearings with inner diameters from 1mm to 30mm. Our RC bearings come in chrome steel, stainless steel or hybrid ceramic materials with metal shielded, rubber sealed or open type. ABEC ratings of our RC bearings are ABEC-1, ABEC-3, ABEC-5, ABEC-7 and ABEC-9.



## YoYo Bearing:

The materials of DMAG YoYo bearing come in hybrid ceramic and stainless steel with various ABEC ratings, seal or shield configurations, radial plays and retainer styles. We supply YoYo bearings for both small, large and competition style YoYos. Konkave bearing is also offered for YoYo upgrade with better experience.





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## Instrument Bearing:

DMAG offers extensive selection of instrument bearings.

These bearings are available in stainless steel for applications requiring corrosion resistance, and chrome steel for maximum fatigue life. Stainless steel instrument bearings are widely used in outdoor meteorological instruments, marine navigation systems or medical instruments. Precision and low friction thin section bearings are often applied in optical instruments such as cameras and microscopes.



## Electric Motor Bearing:

DMAG offers 1mm to 20mm inner diameter small electronic motor bearings with ABEC ratings ranging from ABEC-1 to ABEC-7.

These bearings are widely applied in a number of automotive applications in low noise and low vibration.

Different radial clearances are also available for different choices.





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## Medical Bearing:

Corrosion resistant bearings are often required in medical environment. DMAG offers 440 stainless steel material for pharmaceutical industry and 316 stainless steel for more aggressive environments. Silicon nitride ceramic balls are also available for higher requirement.

