

# Code designation and Common models of Motor bearing

Most of the rotating machinery and equipment in factories are driven by motors. The quality of the motors is to some extent related to the stability of the bearings used. It requires bearings.

Low noise, economical and supporting structure is simple, usually deep groove ball bearings are used.

Motor bearings, also known as motor bearings or motor bearings, are specially used in motor or motor bearings on a special product. The bearing used by the motor is zero of a supporting shaft.

It can guide the rotation of the shaft, and also can bear the parts that are idling on the shaft. The concept is very broad. There are four types of bearings commonly used in motors, namely rolling bearings, sliding bearings and joint bearings.

And oil bearing. The most common motor bearings are rolling bearings, that is, rolling bearings. Sliding bearings generally refer to bearings without rolling bodies, that is, bearings for sliding motion.

The code of motor bearing is made up of:

1. front code, which represents the sub parts of the bearing.
2. the basic code name represents the main characteristics of bearing type and size.

The 3. post code represents the accuracy of the bearing and the characteristics of the material.

## [The working principle of motor bearings:](#)

Motor rolling bearings use smooth metal rollers and lubricated inner and outer ring metal surfaces to reduce friction. These balls or rollers carry the load and support the motor spindle.

The motor (rotor) can be rotated smoothly.

## [Commonly used bearings for motors:](#)

Y2 series motor bearings

Axle extension: 6201-2E-C3, 6202-2E-C3, 6204-2E-C3, 6205-2E-C3, 6206-2E-C3, 6308-2E-C3, 6311-C3, 6312-C3, 6313-C3

6314-C3, 6317-C3, 6319-C3, NU319, NU322

Fan end: 6201-2E-C3, 6202-2E-C3, 6204-2E-C3, 6205-2E-C3, 6206-2E-C3, 6308-2E-C3,

6309-2E-C3, 6311-C3, 6312-C3

, 6313-C3, 6314-C3, 6317-C3, 6319-C3, 6322-C3

Special motor bearings for YSJ series compressor

Axle extension end: 6204-2E-C3, 6205-2E-C3, 6206-2E-C3, 6308-2E-C3, 6309-2E-C3, 6311-C3, 6312-C3, 6313-C3, 6314-C3, 6317

-C3, 6319, 6319-C3, 6322

Fan end: 6204-2E-C3, 6205-2E-C3, 6206-2E-C3, 6308-2E-C3, 6309-2E-C3, 6311-C3, 6312-C3, 6313-C3, 6314-C3, 6317

-C3, 6319-C3, 6322-C3

There are many [motor bearings](#), the common combination of deep groove ball bearings and cylindrical roller bearings, angular contact ball bearings and cylindrical roller bearings combination.