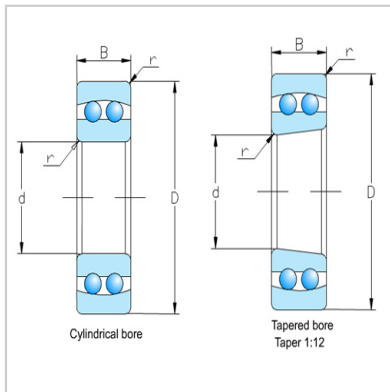
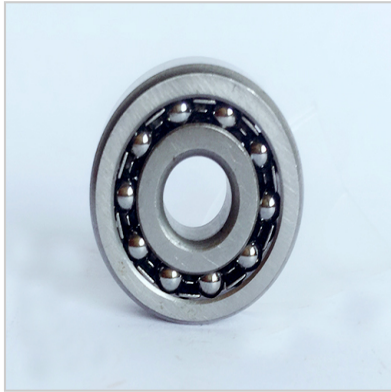


Spherical Roller Bearings

1200 Series-1202/1202K



Bearing No. : 1202/1202K

Dimension (mm) :

d : 15

D : 35

W : 11

Load Rating(KN) :

Dynamic Cr : 7.45

Static Cor : 1.75

Weight kg : 0.051

介绍:

The self-aligning ball bearing has two rows of steel balls, with two raceways on the inner ring and spherical raceways on the outer ring. It is mainly composed of an inner ring, an outer ring, steel balls, and a cage. This structure enables the bearing to have automatic centering performance, which can adapt to the angular deviation and angular motion between the two raceway axis lines.

When the shaft bends or installation errors cause the bearings at both ends to be misaligned, the outer spherical raceway of the self-aligning ball bearing can automatically adjust to maintain a good rolling state of the steel ball in the raceway, thereby ensuring the normal operation of the bearing and reducing additional loads and wear caused by misalignment.

Suitable for withstanding radial loads and also capable of withstanding certain axial loads. Commonly used in large and heavy machinery equipment in industries such as papermaking machinery, mining machinery, metallurgical machinery, chemical machinery, textile machinery, etc., such as large electric motors, reducers, crushers, centrifuges, etc. During the operation of these devices, due to the bending deformation of the shaft or uneven installation foundation, it is easy for the shaft and bearing seat to be not concentric. The centering performance of the ball bearing can adapt well to this working condition.

The main performance parameters include rated load, maximum speed, and centering performance indicators. The rated load determines the size of the load that the bearing can withstand; The maximum operating speed of the



bearing is limited by the limit speed; The centering performance index reflects the ability of bearings to adapt to different concentric working conditions, usually expressed in terms of the maximum allowable angular deviation. In practical applications, it is necessary to choose the appropriate model and specifications of self-aligning ball bearings based on specific working conditions and requirements to ensure the reliable operation of the equipment.