

Characteristics of deep groove ball bearings

Deep groove ball bearings are the most representative and widely used. For high speed, even if high-speed operation, and very durable, without regular maintenance. The bearing has a friction coefficient is small, extreme high speed, simple structure, low manufacturing cost, easily manufactured, high accuracy. Application form and size range of precision instruments various low-noise motors, automobiles, motorcycles and general machinery industries, is the most widely used in machinery industry, a class of bearings. The main radial load, but also can withstand a certain axial load. When selecting the greater radial gap of pure radial force axial load carrying capacity increases, the contact angle is zero. When the axial force, the contact angle is greater than zero. Commonly used stamping wavy frame, body frame, sometimes with nylon frame. Deep groove ball bearings mounted on the shaft and the bearing, the axial displacement of the shaft or housing to limit the axial clearance in both directions deep groove ball bearings. Thus, it can be used in the axial direction. Further, this bearing has a certain aligning capability, when 2 'to 10' relative to the inclined receiving hole still work, but the service life of the bearings have a certain effect. Pressed steel cage, deep groove ball bearing large bearing entities keep the metal frame of the car.

Deep groove ball bearings are the most commonly used bearing. Its structure is simple, easy to use. Mainly used to bear radial load, but when the bearing radial clearance increases, the performance with a certain angular contact ball bearings can withstand the radial load and axial load. When higher speeds, thrust ball bearings is not suitable, it can also be used for pure axial load. Small bearing friction coefficient of the same size as deep groove ball bearings and other types, as compared to high speed limit. However, the impact of intolerance, suitable to withstand heavy loads.