

Hsr20 series linear guide

Working principle: the rolling linear guide pair is mainly composed of guide rail, sliding block, ball, retainer, end cover, baffle and sealing gasket.

The guide rail is a supporting part, which is installed on the working machine; the sliding block is a moving part, which is installed on the guide rail; the ball is placed between the guide rail and the slide rail; the retainer is installed between the balls, which is equally spaced.

The end cover is located at both ends of the sliding block, which plays the role of ball return, chip removal and lubrication; The sealing gasket includes end face, side and internal sealing gasket, which plays a role of dust prevention. During operation, the sliding block moves in a reciprocating straight line along the guide rail, and the ball between the guide rail surface and the slide rail surface circulates continuously in the raceway under the maintenance of the retainer, so as to realize the relative movement of the sliding block and the guide rail Raj.

The rolling linear guide pair is a new type of rolling support for relative reciprocating linear motion. The ball rolling between the guide rail and the slide block avoids the direct contact between the guide rail surface and the slide block surface, and the rolling friction replaces the sliding friction. The friction coefficient of the rolling linear guide pair is about '1

for the protection of the sliding guide, which can not only improve the moving speed of the slider and ensure the moving accuracy of the slider, but also extend the service life of the rolling linear guide pair.

Product function: linear motion



Product picture:

List of accessories:

HSR20-XXmm*2

HGH20CA*4

Set of sealing hole plug

One coupling