

ABSTRACT

A linear motion module comprises a linear rail, a sliding block and balls. The sliding block is slidably disposed on the linear rail and comprises a sliding block body, circulation elements and end caps. The inside of the sliding block body is configured with inner circulation grooves, the inner circulation groove and the rail groove constitute an inner circulation passage, and each of two sides of the sliding block body is configured with at least a circulation channel that corresponds to the inner circulation passage and penetrates through the sliding block body. Each of the circulation elements includes at least a circulation tube, and the opposite two circulation tubes are connected to each other to constitute an outer circulation passage. Each of the end caps is configured with at least two circulation guiding grooves, and the circulation guiding groove is connected to the inner and outer circulation passages.