

ABSTRACT

Abstract: A linear motion guide unit includes a first raceway member and a second raceway member, and the second raceway member performs linear motion relative to the first raceway member in a first direction. The linear motion guide unit includes a plurality of rollers, a retainer that retains the plurality of rollers, a pinion, a first rack, and a second rack. The retainer includes a roller holding region that holds the plurality of rollers, and a pinion holding region arranged adjacent to the roller holding region in the first direction and having a pinion accommodating portion that accommodates the pinion such that external teeth thereof mesh with second rack teeth. The roller holding region and the pinion holding region are configured as one piece. The linear motion guide unit includes a pinion cover attached to the pinion holding region such that the pinion is caught between the pinion holding region and the pinion cover and such that the external teeth mesh with first rack teeth.

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