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The invention relates to the mechanical engineering, in particular to the ball gearings with variable transmission ratio.

The ball gearing includes a body (1), placed therein, rigidly fixed onto the driven shaft (2), a driven element (3) and, coaxially installed onto the driving shaft (4), a driving element (5), balls (6), placed between them and interacting with their lateral surfaces, as well as a separator (10), placed coaxially to the driven element (3) and rigidly fixed about it. The driven element (3) is made in the form of a wheel with the internal inclined teeth, the driving element (5) – in the form of an eccentric bushing. The separator (10) is fixed onto the body (1) from the lateral end of the driven wheel. In the holes, made into the separator (10) parallel to the axis of the driven wheel, there are placed spring-loaded pusher bars (7), mounted with the possibility of axial movement. The balls (6), interacting with the surface of the driven wheel's teeth and with the outer surface of the eccentric bushing, are placed into the transversal through holes, made into the end of each of the pusher bars (7), placed in the space formed by the inner surface of the driven wheel and the outer surface of the eccentric bushing, and the other end of each of the pusher bars (7) comes in contact with the frontal surface of the titling disk (11), installed onto the driving shaft (4) and kinematically joined with the device for its slope angle change.

Claims: 1
Fig.: 3