

**95-0330**

The invention relates to the mechanical engineering and may be used in the mechanisms with the stepless velocity change. The aim: velocity regulation limits increasing, structure simplification and reliability increasing. The planetary precession gear contains a body 1, satellite 2 and central wheel 4, connected to the driven shaft 6 and placed into the gear. In the spheric satellite 2 hub space are manufactured the slope grooves 9 in these ones and in the separator 13 there are located the solids of revolution 14, interacted also with the groove 11, manufactured on the spheric bush surface 10. The bush 10 is installed on the spheric support 15 and is connected to the driving shaft 16 by the finger 17. The bush 10 slope changing mechanism switches the intermediate disk 18 with the sloped faces, connected to the body 1, as well as the disk 20, connected to the bearing race 23. The rotative movement summary reduction consists of the solids of revolution 14 gearing reductions with the grooves 11 and 9 and precession gear.

The gear ratio change is realised by means of the bearing race 23.