

The invention relates to the field of mechanical engineering, namely to precessional planetary transmissions.

The precessional planetary transmission, according to a first embodiment, comprises a housing, in which are placed a satellite unit (2) with two gear rings with rollers, which is installed on the crank of the drive shaft, and two central gearwheels, one rigidly fixed in the housing and the other – on the driven shaft. The wheels intermesh with the rims of the satellite unit (2). The satellite unit (2) is installed on the crank by means of bearings with automatic fit, which are made with cylindrical rollers.

According to a second embodiment, the satellite unit (2) is made of two parts (11, 12), interconnected by a coupling (13) with end teeth. Parts (11, 12) are mounted with the possibility of axial displacement relative to each other, and between the rear flanges of parts (11, 12) of the satellite unit (2) are installed elastic elements (14).

Claims: 2

Fig.: 2

