

The invention relates to the mechanical engineering and may be used for plastic deformation of the toothed profiles on blanks of annular type.

The device for toothed profiles rolling contains the body (9) with the cover (4), wherein there are placed: the driving shaft (7), the driven shaft (10) and the satellite gear (5). The satellite gear (5) is kinematically coupled with the standard gear-wheels (2) and (3), which are rigidly fixed to the cover (4). The satellite gear (5) is mounted onto the inclined crank and contains two rings, one of which includes the rolls (6) and the other - the knurls (1). The rings of the satellite gear (5) are in simultaneous engagement with the standard gear-wheels (2) and (3), on the one hand, and with the central wheel (8), rigidly joined with the driven shaft (10), on the other hand. The axes of the rolls and of the knurls (1) intersect in the precession centre.

The device is provided with the carriage (13) with guide rods (11), which performs the advance of the blank (12).

Claims: 2

Fig.: 3

