

The invention relates to the plastic metal working and can be used to increase the bearing capacity of the teeth. The device, according to the invention, consists of a movable drive disk (1), a fixed body (2), on which is mounted a hardening mechanism with loading elements (3), movably installed along the perimeter of a rotating disk (4), which is freely placed on a central mandrel (5) and rests on the body (2) by means of balls (6). In the body is installed (2) an annular block (7), having high-pressure cavities (8) with a working medium, for example, a liquid, and holes, which communicate with the cavities (8), and in which are placed pistons (9) and (10). The pistons (9) and (10) are in contact on one side with the disc (1) and on the other side with the loading elements (3). The wheel (12) is limited from axial movement by disks (13) and (14), spring-loaded between themselves by elastic elements (15).

Claims: 2

Fig.: 3

