

The invention relates to the measuring equipment, determining the force and moment, and may be used for determining the cutting moment and force in the working processes and for testing different measuring mechanisms. The device for measuring the force developed by a mechanism contains a body 1, a device for fixation of the worked blank, elastic elements 2 joining them and a measuring device. The body 1 is made in the form of a cup, the device for blank fixation is made in the form of a faceplate conjugated to the body, including a disk 3 for fixation onto its outer surface of the worked blank, and a cylinder 4, fixed under the disk and placed into the body coaxial to it. Into the formed annular space, uniformly round the circumference, there are placed the elastic elements 2, made in the form of cylindrical rings, the number of which constitutes four or more, which are installed into grooves, made into the lateral walls of the body 1 and of the faceplate, as well as into the base of the body and of the disk, respectively. The measuring device contains strain gauges, fixed onto the lateral external and internal surfaces of the cylindrical rings.

Onto the external surface of the faceplate disk there may be fixed a blank fixing mandrel.  
The external lateral surface of the rings may be made convex.

Claims: 3  
Fig.: 6

