

The invention relates to machine-building. A angular ball bearing assembly has bearings between the outer bodies of which control spacer rings are installed, and between the inner rings – calibration springy rings with different axial rigidity proportional to axial force transferred through each ring. At that the springy rings with increase of rigidity are installed in direction of action of axial force. The technical result is in provision of uniform distribution of axial force between bearings, this makes it possible to increase axial loading ability and resource of the bearing assembly.