

The invention relates to the metal working and may be used in different metal-cutting machine tools: boring, drilling, milling.

The boring head includes a rod, a body, inside of which it is placed a tool-holder movement mechanism, wherein there are made sockets for installation of the cutting tool. The tool-holder movement mechanism contains a bush freely mounted onto the rod with the inclined external surface, onto which it is freely placed a double satellite gear unit. One gear ring thereof engages into mesh with the gear-wheel, rigidly fixed to the body, and the second gear ring engages into mesh with the gear rings of the central gear-wheel, freely placed onto the rod, the inner teeth of which engage into mesh with the outer teeth of the pinion, fixed onto the rod face, at the same time the pinion is kinematically joined by a crossed-axis helical gearing with the spur gear-wheel, engaging into mesh with the rack, made onto the tool-holder.

Claims: 1

Fig.: 1