

This invention relates to the branch of mining, in particular to the units for tunnels penetration, and can be used for penetration of horizontal and inclined tunnels as well in strong rocks with use of drill-blast means. The shaft-sinking set has frame, mechanism for the unit displacement, telescopic lever with catcher to mount the casing, this is fixed on the shaft installed with possibility of rotation with respect to the long axis of the unit on its frame, drive for the lever rotation, telescopic platforms and drill unit. The drill unit has manipulator and drill machine, this is hinged on the manipulator and connected to it by hydro-cylinder. The manipulator is hinged on the holder fixed at the end of the lever free from the holder and is connected to the lever by hydro-cylinder of the manipulator rotation. The axis of the hinge connecting manipulator to the holder is placed in parallel to the plane of rotation of the lever and in normal position with respect to its axis. The manipulator can have two links. At that the base of the manipulator is hinged on the holder fixed on the lever, and the beam of the manipulator is hinged on the base of the manipulator and connected to it by additional hydro-cylinder. This invention promotes increase of accuracy of blast-hole drilling at penetration of tunnels with round cross-section.