

Method for constructing support structure for preparatory mine working involves the installation of interconnected vertical riser and shaped horizontal blocks, which are placed one above the other with gaps between them. Shaped blocks are made from concrete slabs with cutouts in the shape of half the perimeter of riser. Vertical riser consists of two coaxially arranged pipes, the space between which is filled with fine aggregate. Riser is cut horizontally; mesh gasket filled with fine aggregate is installed in this cutout, which is externally enclosed by perimeter-adjustable shell with slit featuring flaps for installing fasteners; and in the lower shaped slabs, T-shaped through-opening is made, in which three fiber-reinforced concrete pipes are placed, the tops of which are fitted with leaf springs. After pipes are installed, T-shaped cutout is filled with material that hardens over time.