

A device for vibration isolation of the seat of machinist and controllers of the excavator, which includes suspension on S-shaped clamps installed in pairs in two or several vertical planes with possibility of their stretching under the objects of vibration isolation, and rack for positioning the seat with the back in the cab installed on the rotating platform. S-shaped clamps are made in the form of elastic damping tapes connected together with alternating layers of elastic and woven materials from the sections of rubberized fabric conveyer belt, in which the threads of the warp of cloth are located in the plane of stretching S-shaped clamps. Each pair of S-shaped clamps and their convexo-concave parts are located along the rotating platform of excavator in the direction of working equipment. The ends of each tape throughout its width are connected to the objects of vibration isolation and to the rack by means of cross-beams and tightening devices. The device additionally contains a regulator of added mass of human body to the mass of suspension, which includes a device of inclination of back with catch of opposite slope angle, a step connected to the suspension with possibility of installation at different distance relative to seat, and a regulator of the height of the arrangement of seat, for example, in the form of telescopic rack with collar of chuck clamp. The concave part of S-shaped clamps is located opposite each other. The controllers are connected to the suspension of seat, and in the elastic damping tapes of clamps between cross-beams are made through slots - regulators of horizontal hardness of suspension in the direction perpendicular to the direction of convexo-concave parts of S-shaped clamps.