

Hydraulic percussion drilling device comprises piston-ram concentrically arranged in the housing, connected via movable link to spring, and anvil with circulation channels. To ensure the clarity and coordination of each individual phase of impact pulse formation, as well as the stability and controllability of circulation processes in hydraulic percussion device, regardless of the properties of flushing fluid, and to ensure their unambiguous dependence on the parameters of the hydraulic cycle in surface drilling pump, as well as to simplify the design and eliminate certain rapidly wearing elements while fully preserving all functional characteristics, the piston-ram is made with non-through central channel and through horizontal channels and is placed in housing sleeve, with which it forms circulation chamber, wherein the upper part of housing sleeve is cylindrical shell with through channels and central collar, through which the upper neck of piston-ram equipped with accelerating plate is passed, with the possibility of moving it in a vertical plane, and blocking the through channels of the shell during acceleration of piston-ram and opening its through horizontal channels into circulation chamber.